Fig 1a

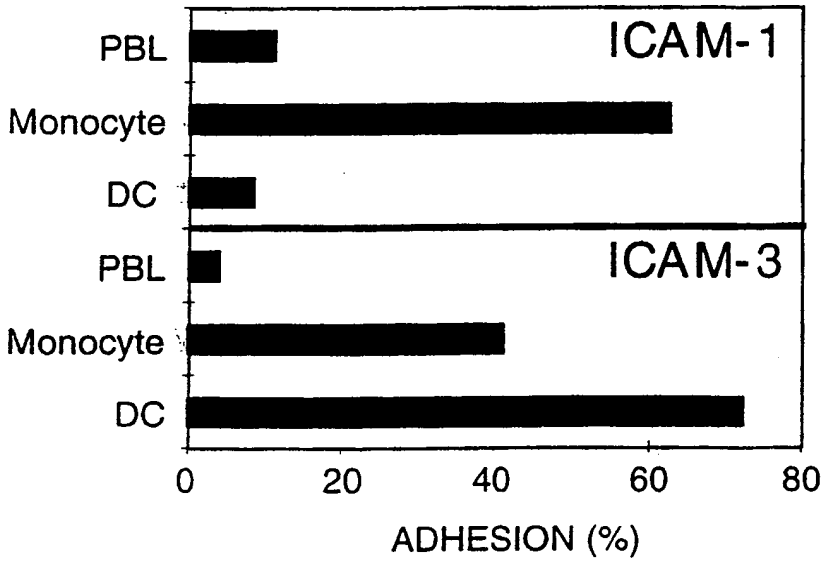
PBL
Monocyte
DC
ICAM-1
PBL
Monocyte
DC
ICAM-3
0
20
40
60
80
ADHESION (%)

Fig 1b

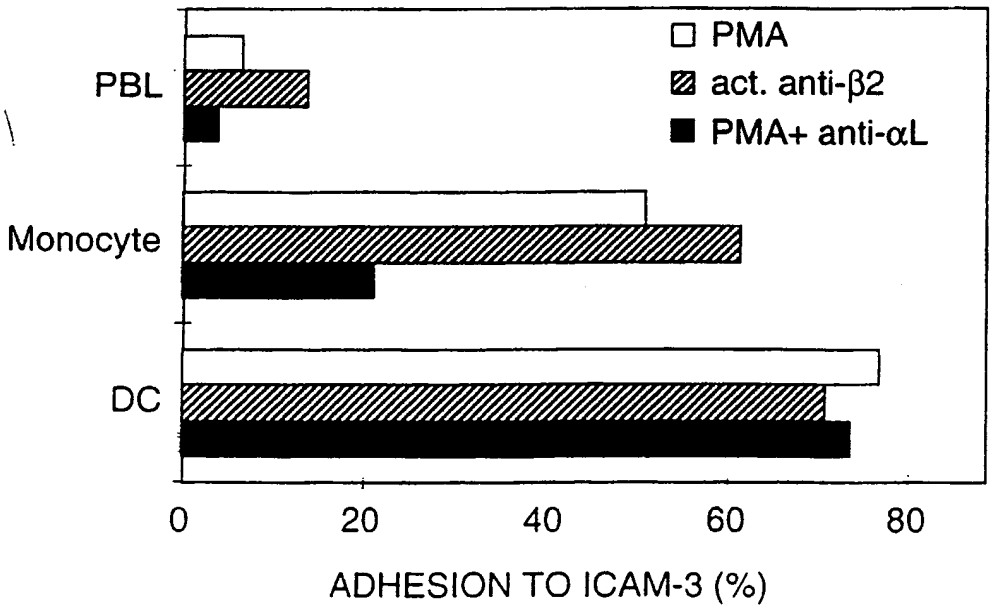
PMA
act. anti-β2
PMA+ anti-αL
PBL
Monocyte
DC
0
20
40
60
80
ADHESION TO ICAM-3 (%)

Fig 1c

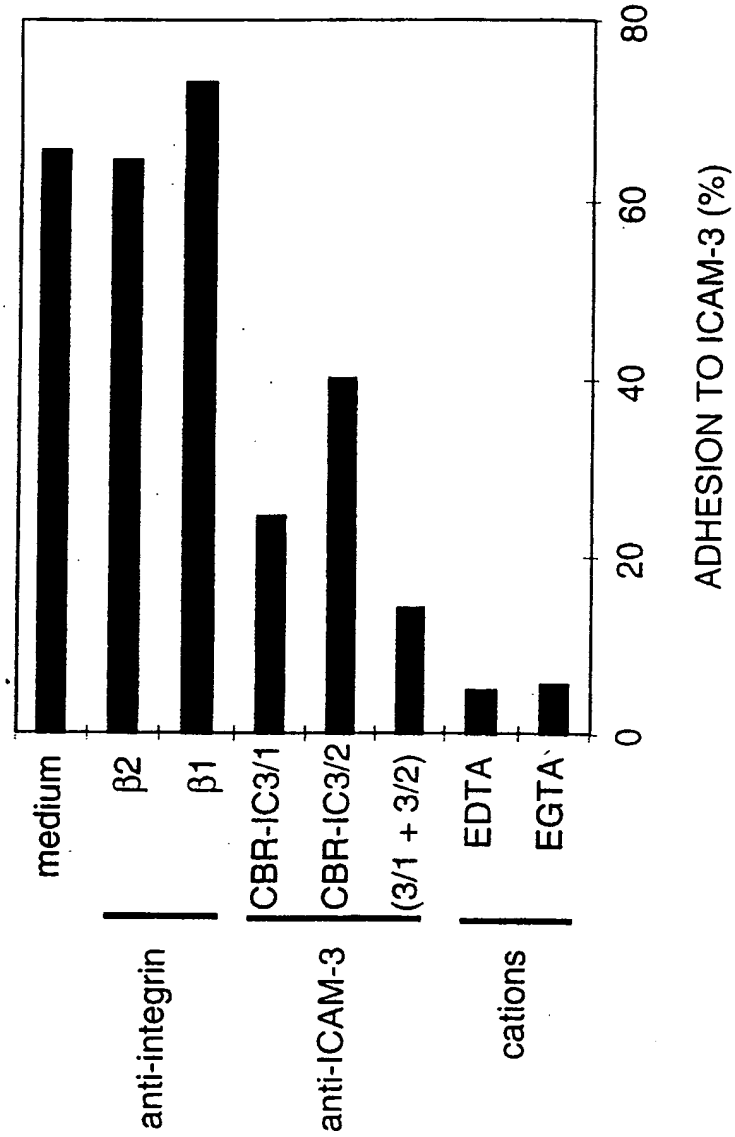
ADHESION TO ICAM-3 (%)
0
20
40
60
80
medium
β2
β1
CBR-IC3/1
CBR-IC3/2
(3/1 + 3/2)
EDTA
EGTA
anti-integrin
anti-ICAM-3
cations

Fig 2a

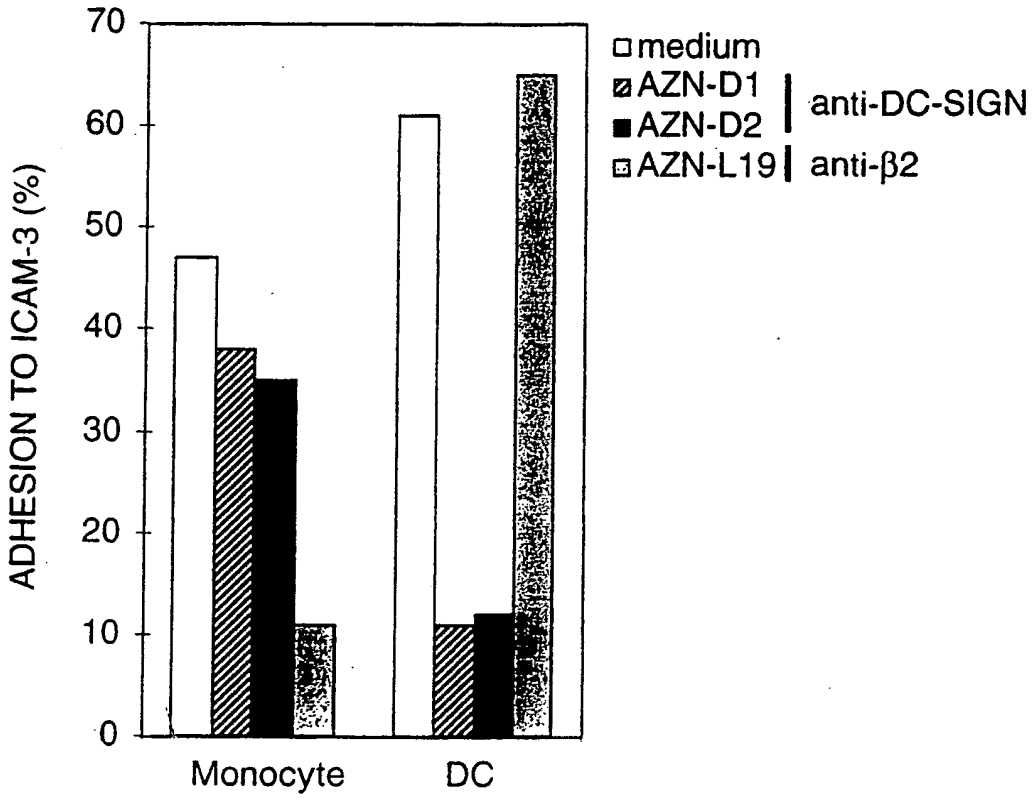
70
60
50
40
30
20
10
0
ADHESION TO ICAM-3 (%)
Monocyte
DC
medium
AZN-D1
AZN-D2
anti-DC-SIGN
AZN-L19
anti-β2

Fig 2b

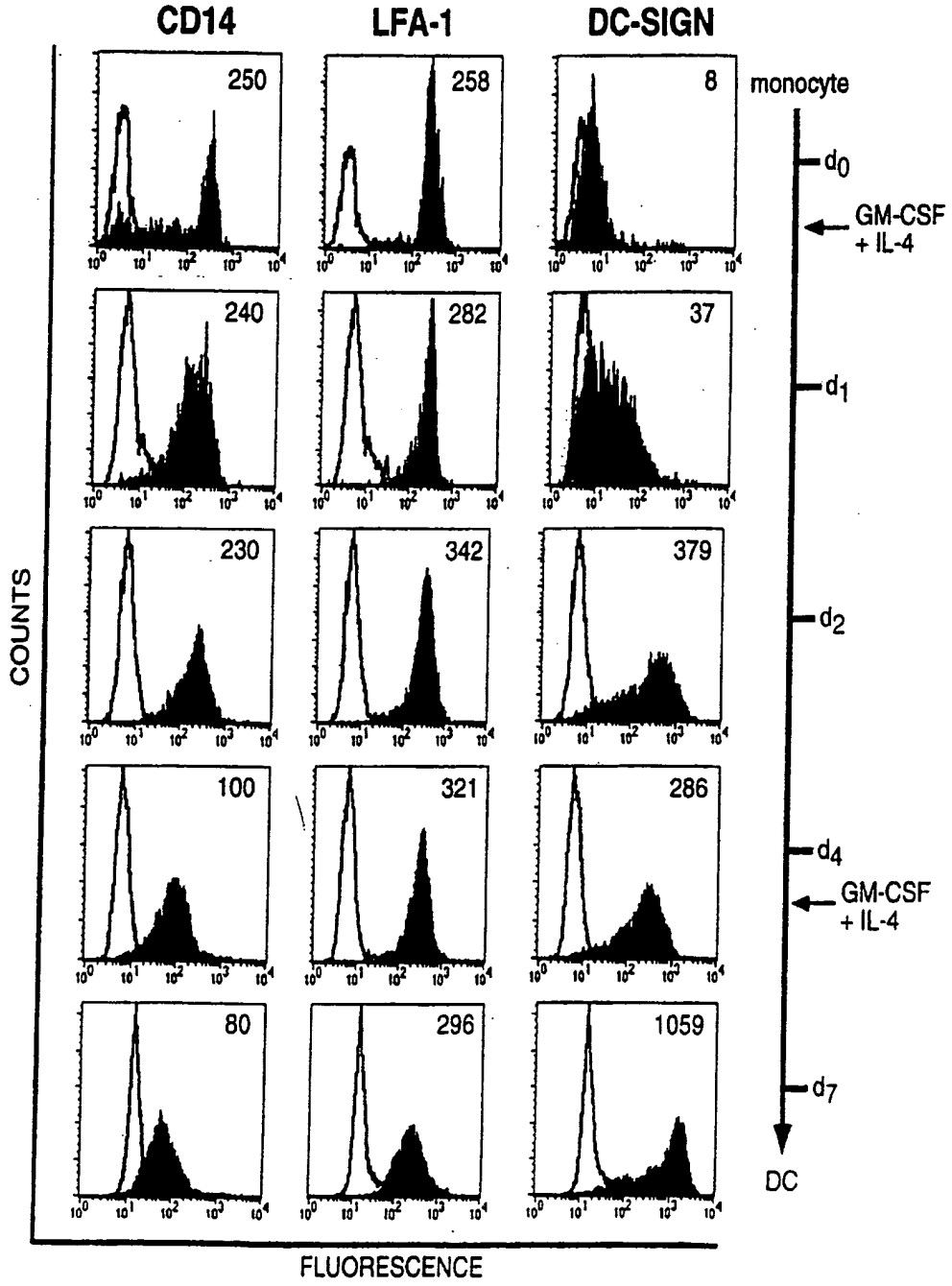
CD14
LFA-1
DC-SIGN
250
258
8
240
282
37
230
342
379
100
321
286
80
296
1059
monocyte
d_0
GM-CSF
+ IL-4
d_1
d_2
d_4
GM-CSF
+ IL-4
d_7
DC
COUNTS
FLUORESCENCE

Fig 2c

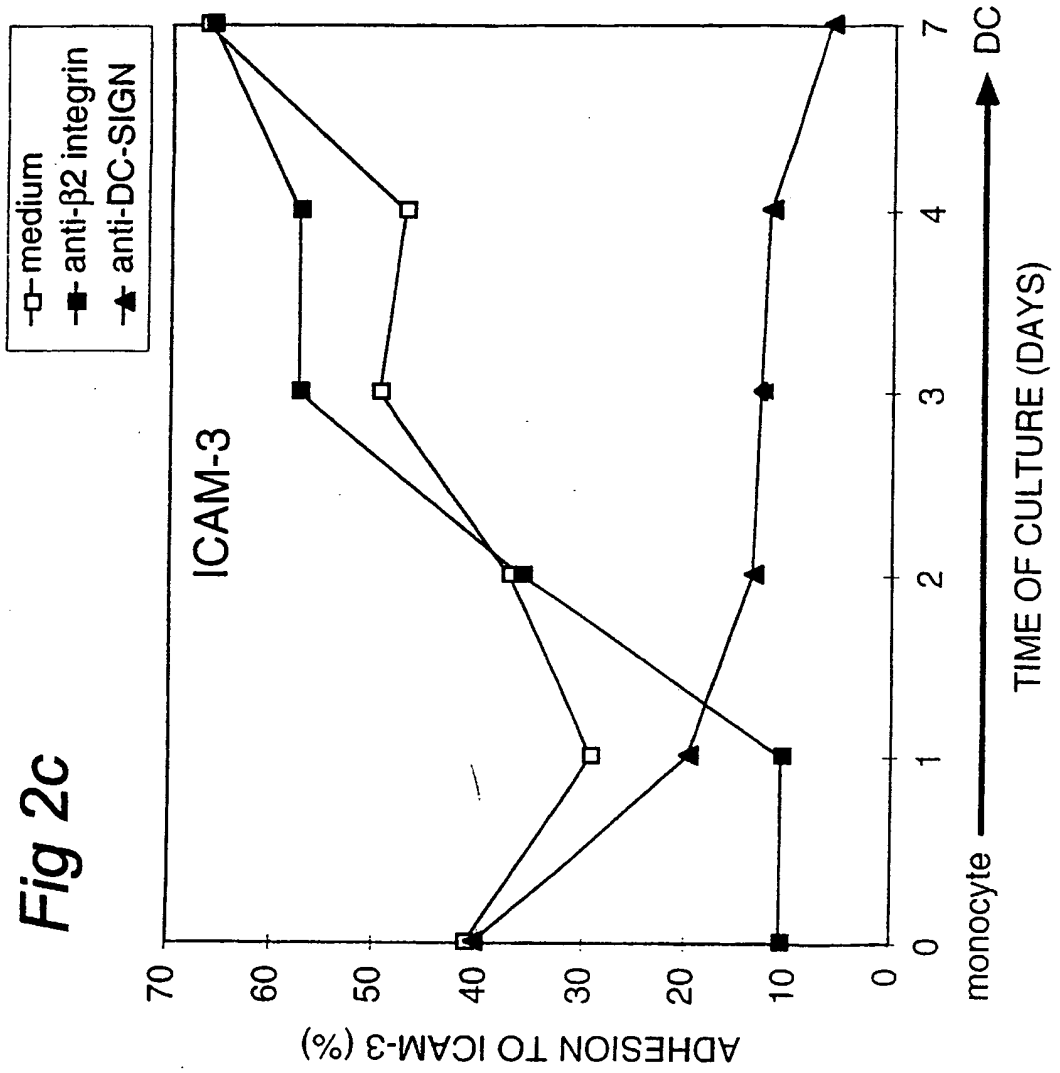
ICAM-3
medium
anti-β2 integrin
anti-DC-SIGN
ADHESION TO ICAM-3 (%)
0
10
20
30
40
50
60
70
monocyte
DC
TIME OF CULTURE (DAYS)
0
1
2
3
4
7

Fig 2d

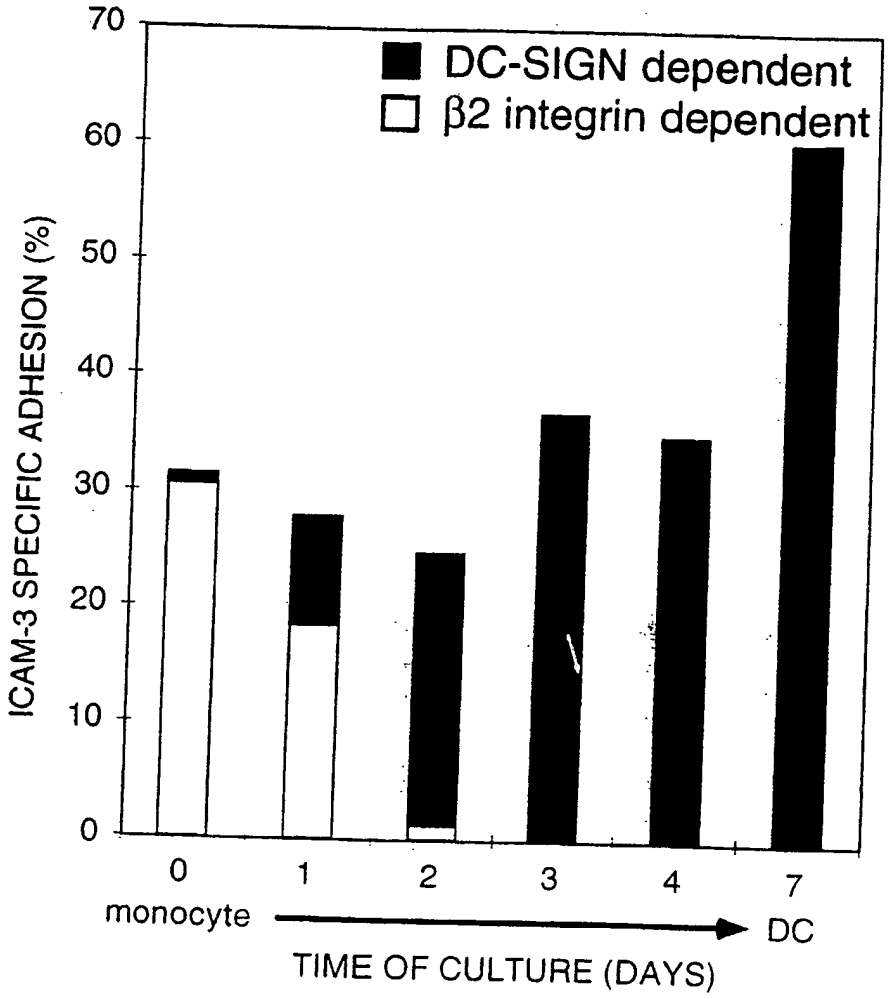
DC-SIGN dependent
β2 integrin dependent
ICAM-3 SPECIFIC ADHESION (%)
70
60
50
40
30
20
10
0
0
1
2
3
4
7
monocyte
DC
TIME OF CULTURE (DAYS)

Fig 3a

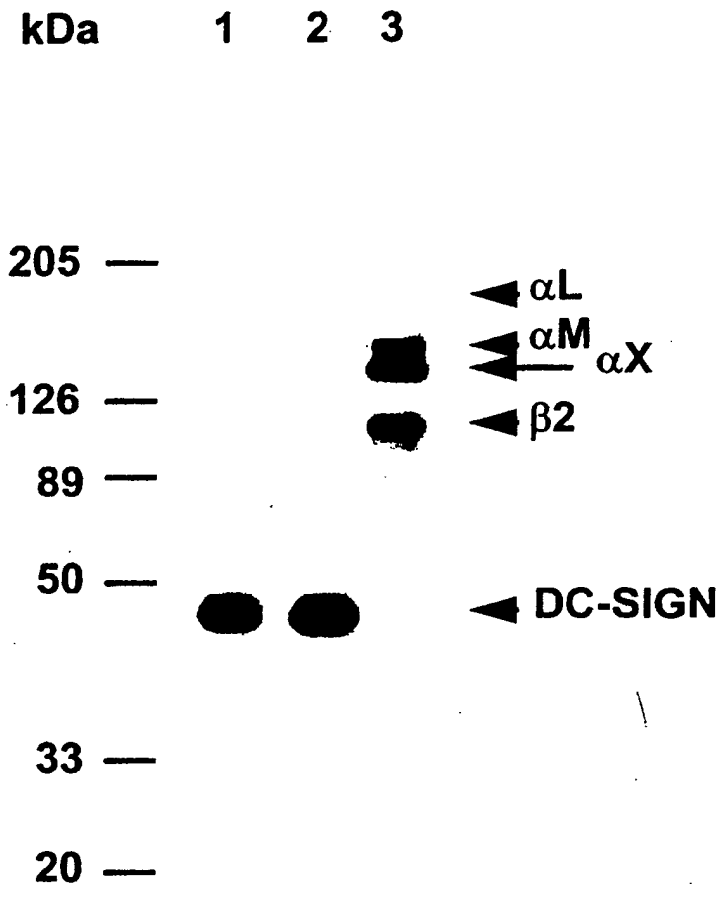

Fig 3b

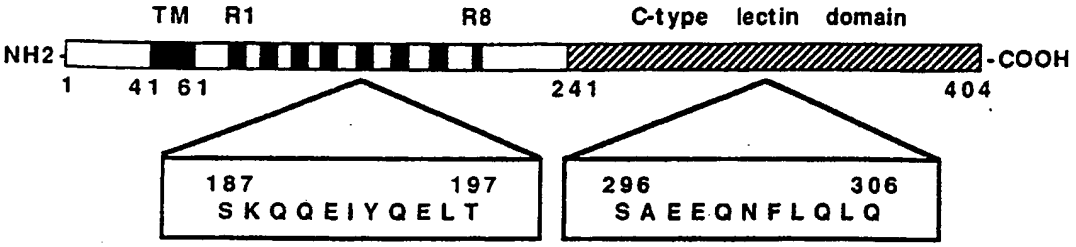

Fig 4a

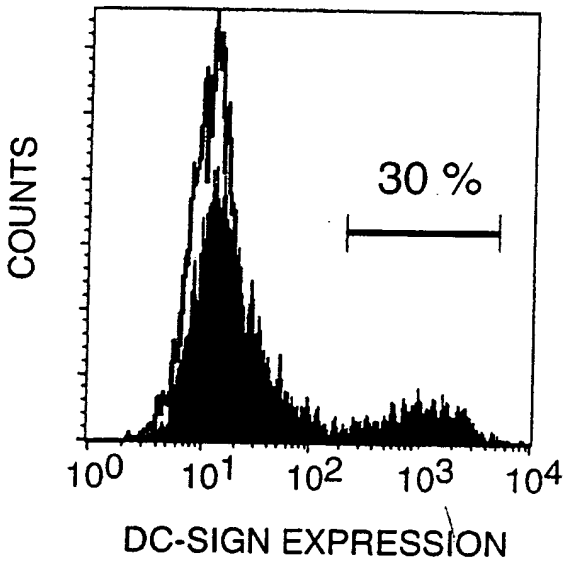

Fig 4b

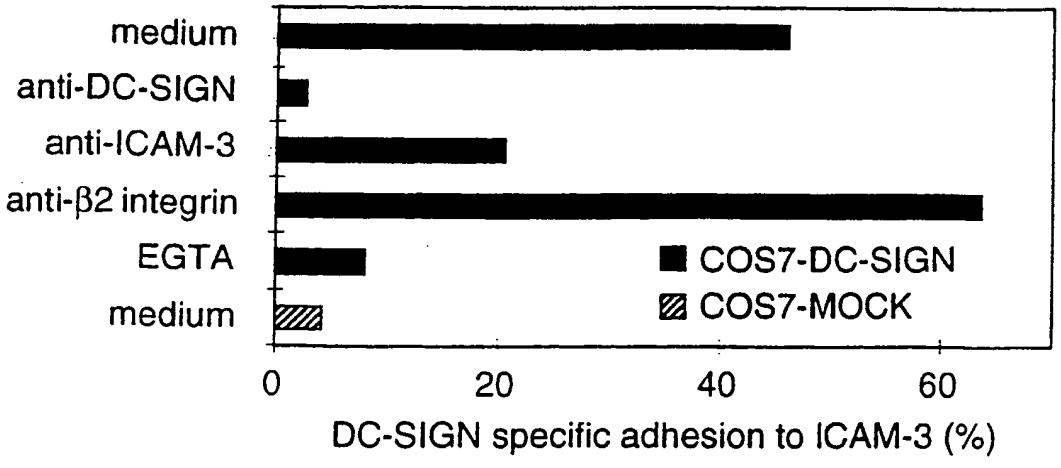

Fig 5

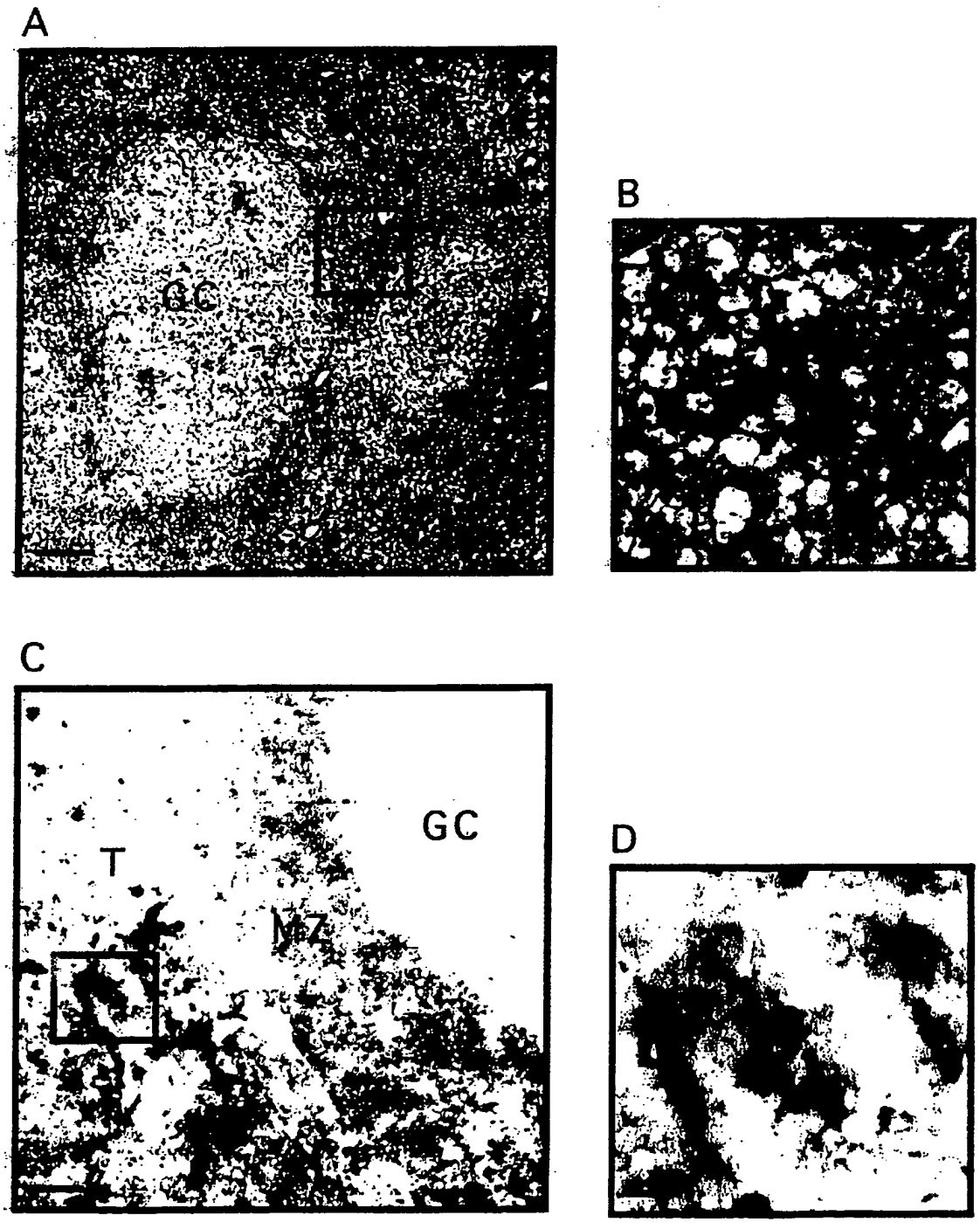

Fig 6a

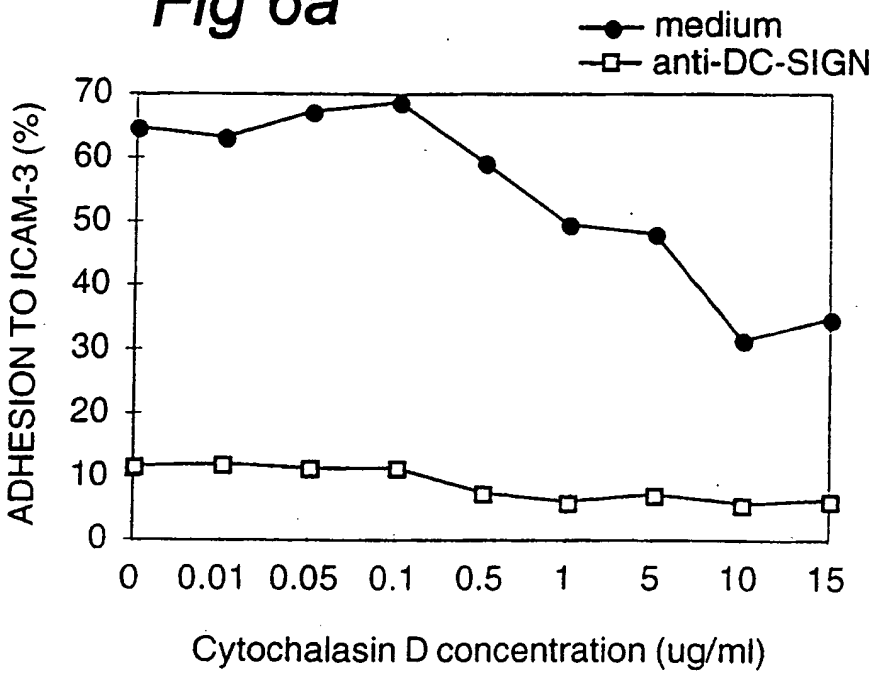
medium
anti-DC-SIGN
ADHESION TO ICAM-3 (%)
70
60
50
40
30
20
10
0
0
0.01
0.05
0.1
0.5
1
5
10
15
Cytochalasin D concentration (ug/ml)

Fig 6c

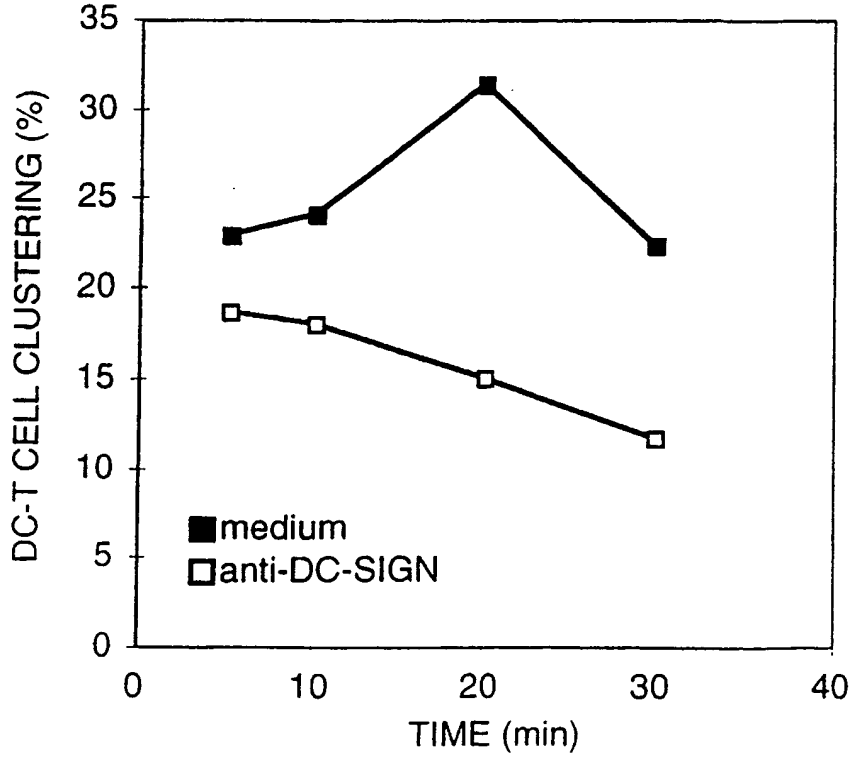
DC-T CELL CLUSTERING (%)
35
30
25
20
15
10
5
0
medium
anti-DC-SIGN
0
10
20
30
40
TIME (min)

Fig 6b

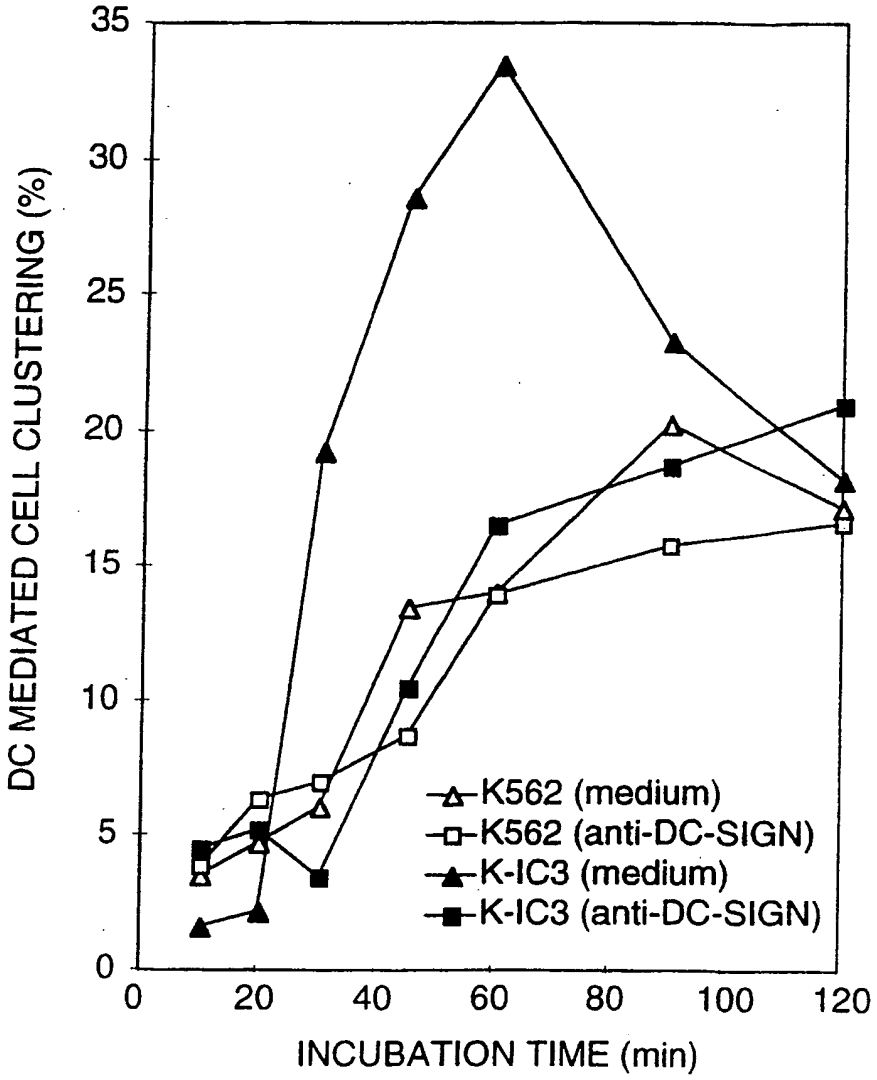
DC MEDIATED CELL CLUSTERING (%)
INCUBATION TIME (min)
0
5
10
15
20
25
30
35
0
20
40
60
80
100
120
K562 (medium)
K562 (anti-DC-SIGN)
K-IC3 (medium)
K-IC3 (anti-DC-SIGN)

Fig 6d

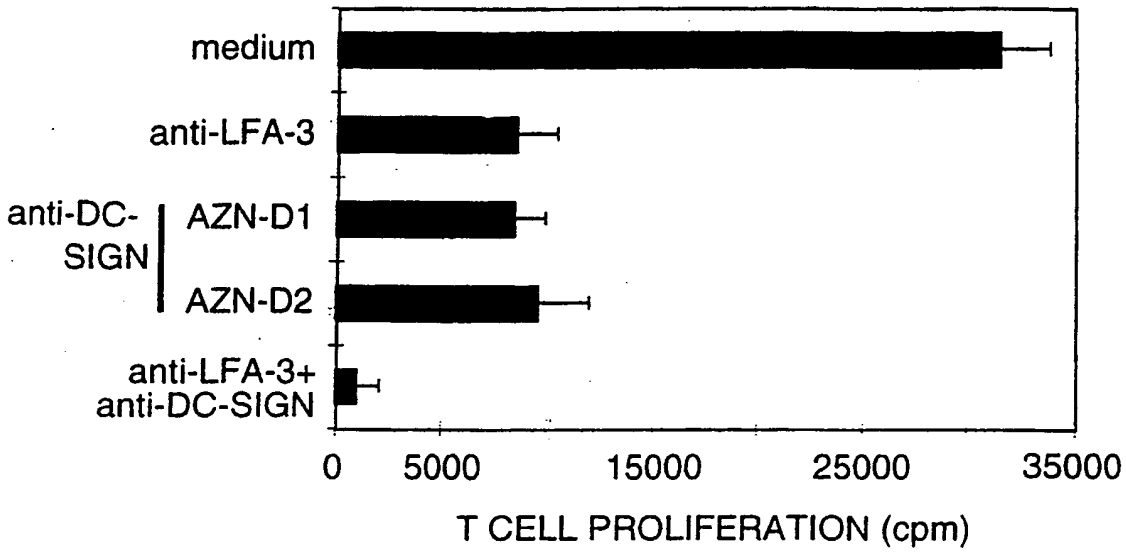
medium
anti-LFA-3
anti-DC-SIGN
AZN-D1
AZN-D2
anti-LFA-3+ anti-DC-SIGN
0
5000
15000
25000
35000
T CELL PROLIFERATION (cpm)

Fig 7

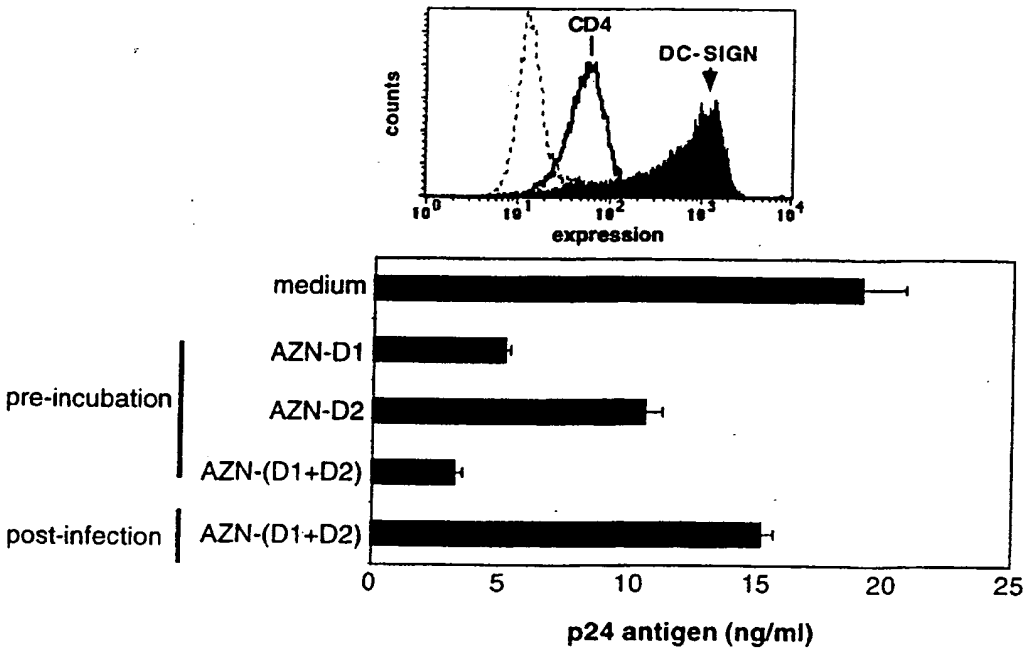
CD4
DC-SIGN
counts
expression
medium
AZN-D1
AZN-D2
AZN-(D1+D2)
pre-incubation
post-infection
AZN-(D1+D2)
0
5
10
15
20
25
p24 antigen (ng/ml)

Fig 9

```
1/1                                                 31/11
ATG AGT GAC TCC AAG GAA CCA AGA CTG CAG CAG CTG GGC CTC CTG GAG GAG GAA CAG CTG
Met ser asp ser lys glu pro arg leu gln gln leu gly leu leu glu glu glu gln leu
61/21                                               91/31
AGA GGC CTT GGA TTC CGA CAG ACT CGA GGA TAC AAG AGC TTA GCA GGG TGT CTT GGC CAT
arg gly leu gly phe arg gln thr arg gly tyr lys ser leu ala gly cys leu gly his
121/41                                              151/51
GGT CCC CTG GTG CTG CAA CTC CTC TCC TTC ACG CTC TTG GCT GGG CTC CTT GTC CAA GTG
gly pro leu val leu gln leu leu ser phe thr leu leu ala gly leu leu val gln val
181/61                                              211/71
TCC AAG GTC CCC AGC TCC ATA AGT CAG GAA CAA TCC AGG CAA GAC GCG ATC TAC CAG AAC
ser lys val pro ser ser ile ser gln glu gln ser arg gln asp ala ile tyr gln asn
241/81                                              271/91
CTG ACC CAG CTT AAA GCT GCA GTG GGT GAG CTC TCA GAG AAA TCC AAG CTG CAG GAG ATC
leu thr gln leu lys ala ala val gly glu leu ser glu lys ser lys leu gln glu ile
301/101                                             331/111
TAC CAG GAG CTG ACC CAG CTG AAG GCT GCA GTG GGT GAG CTT CCA GAG AAA TCT AAG CTG
tyr gln glu leu thr gln leu lys ala ala val gly glu leu pro glu lys ser lys leu
361/121                                             391/131
CAG GAG ATC TAC CAG GAG CTG ACC CGG CTG AAG GCT GCA GTG GGT GAG CTT CCA GAG AAA
gln glu ile tyr gln glu leu thr arg leu lys ala ala val gly glu leu pro glu lys
421/141                                             451/151
TCT AAG CTG CAG GAG ATC TAC CAG GAG CTG ACC TGG CTG AAG GCT GCA GTG GGT GAG CTT
ser lys leu gln glu ile tyr gln glu leu thr trp leu lys ala ala val gly glu leu
481/161                                             511/171
CCA GAG AAA TCT AAG ATG CAG GAG ATC TAC CAG GAG CTG ACT CGG CTG AAG GCT GCA GTG
pro glu lys ser lys met gln glu ile tyr gln glu leu thr arg leu lys ala ala val
541/181                                             571/191
GGT GAG CTT CCA GAG AAA TCT AAG CAG CAG GAG ATC TAC CAG GAG CTG ACC CGG CTG AAG
gly glu leu pro glu lys ser lys gln gln glu ile tyr gln glu leu thr arg leu lys
601/201                                             631/211
GCT GCA GTG GGT GAG CTT CCA GAG AAA TCT AAG CAG CAG GAG ATC TAC CAG GAG CTG ACC
ala ala val gly glu leu pro glu lys ser lys gln gln glu ile tyr gln glu leu thr
661/221                                             691/231
CGG CTG AAG GCT GCA GTG GGT GAG CTT CCA GAG AAA TCT AAG CAG CAG GAG ATC TAC CAG
arg leu lys ala ala val gly glu leu pro glu lys ser lys gln gln glu ile tyr gln
721/241                                             751/251
GAG CTG ACC CAG CTG AAG GCT GCA GTG GAA CGC CTG TGC CAC CCC TGT CCC TGG GAA TGG
glu leu thr gln leu lys ala ala val glu arg leu cys his pro cys pro trp glu trp
781/261                                             811/271
ACA TTC TTC CAA GGA AAC TGT TAC TTC ATG TCT AAC TCC CAG CGG AAC TGG CAC GAC TCC
thr phe phe gln gly asn cys tyr phe met ser asn ser gln arg asn trp his asp ser
841/281                                             871/291
ATC ACC GCC TGC AAA GAA GTG GGG GCC CAG CTC GTC GTA ATC AAA AGT GCT GAG GAG CAG
ile thr ala cys lys glu val gly ala gln leu val val ile lys ser ala glu glu gln
901/301                                             931/311
AAC TTC CTA CAG CTG CAG TCT TCC AGA AGT AAC CGC TTC ACC TGG ATG GGA CTT TCA GAT
asn phe leu gln leu gln ser ser arg ser asn arg phe thr trp met gly leu ser asp
961/321                                             991/331
CTA AAT CAG GAA GGC ACG TGG CAA TGG GTG GAC GGC TCA CCT CTG TTG CCC AGC TTC AAG
leu asn gln glu gly thr trp gln trp val asp gly ser pro leu leu pro ser phe lys
1021/341                                            1051/351
CAG TAT TGG AAC AGA GGA GAG CCC AAC AAC GTT GGG GAG GAA GAC TGC GCG GAA TTT AGT
gln tyr trp asn arg gly glu pro asn asn val gly glu glu asp cys ala glu phe ser
1081/361                                            1111/371
GGC AAT GGC TGG AAC GAC GAC AAA TGT AAT CTT GCC AAA TTC TGG ATC TGC AAA AAG TCC
gly asn gly trp asn asp asp lys cys asn leu ala lys phe trp ile cys lys lys ser
1141/381                                            1171/391
GCA GCC TCC TGC TCC AGG GAT GAA GAA CAG TTT CTT TCT CCA GCC CCT GCC ACC CCA AAC
ala ala ser cys ser arg asp glu glu gln phe leu ser pro ala pro ala thr pro asn
1201/401
CCC CCT CCT GCG TAG
pro pro pro ala END
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